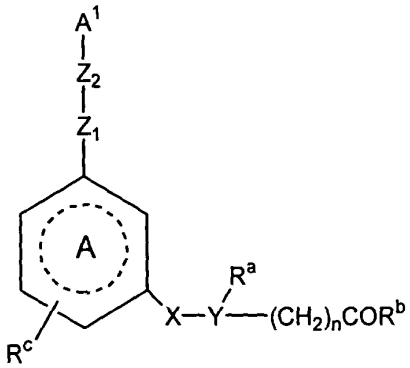
Amendments to the Claims

Please cancel claims 1-52 and add claims 53-68 as follows:

53. A compound of the Formula:

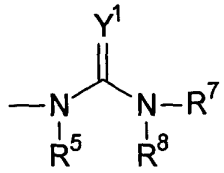


or a pharmaceutically acceptable salt thereof, wherein

is a phenyl ring, optionally substituted with one or more substituent selected from the group consisting of alkyl, haloalkyl, aryl, heteroaryl, halogen, alkoxyalkyl, aminoalkyl, hydroxy, nitro, alkoxy, hydroxyalkyl, thioalkyl, amino, alkylamino, arylamino, alkylsulfonamide, acyl, acylamino, sulfone, sulfonamide, allyl, alkenyl, methylenedioxy, ethylenedioxy, alkynyl, carboxamide, cyano, and -$(CH_2)_n$ COR wherein n is 0-2 and R is selected from the group consisting of hydroxy, alkoxy, alkyl and amino;

A^1 is a 5-9 membered monocyclic or 7-14 membered polycyclic heterocycle containing at least one nitrogen atom and optionally 1 to 4 heteroatoms or groups selected from O, N, S, SO_2 or CO; optionally saturated or unsaturated; optionally substituted by one or more R^k selected from the group consisting of hydroxy, alkyl, alkoxy, alkoxyalkyl, thioalkyl, haloalkyl, cyano, amino, alkylamino, halogen, acylamino, sulfonamide and -COR wherein R is selected from hydroxy, alkoxy, alkyl and amino; or

or A^1 is



wherein Y^1 is selected from the group consisting of N-R^2, O, and S;

R^2 is selected from the group consisting of H; alkyl; aryl; hydroxy; alkoxy; cyano; alkenyl; alkynyl; amido; alkylcarbonyl; arylcarbonyl; alkoxycarbonyl; aryloxycarbonyl; haloalkylcarbonyl; haloalkoxycarbonyl; alkylthiocarbonyl; arylthiocarbonyl; acyloxymethoxycarbonyl;

R^2 taken together with R^7 forms a 4-12 membered dinitrogen containing heterocycle optionally substituted with one or more substituent selected from the group consisting of lower alkyl, thioalkyl, alkylamino, hydroxy, keto, alkoxy, halo, phenyl, amino, carboxyl or carboxyl ester, and fused phenyl;

or R^2 taken together with R^7 forms a 5-9 membered heteroaromatic ring optionally substituted with one or more substituent selected from lower alkyl, phenyl, alkoxy and hydroxy;

or R^2 taken together with R^7 forms a 5 membered heteroaromatic ring fused with a aryl or heteroaryl ring;

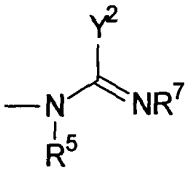
R^7 (when not taken together with R^2) and R^8 are independently selected from the group consisting of H; alkyl; alkenyl; alkynyl; aralkyl; amino; alkylamino; hydroxy; alkoxy; arylamino; amido, alkylcarbonyl, arylcarbonyl; alkoxycarbonyl; aryloxy; aryloxycarbonyl; haloalkylcarbonyl; haloalkoxycarbonyl;

alkylthiocarbonyl; arylthiocarbonyl; acyloxymethoxycarbonyl; cycloalkyl; bicycloalkyl; aryl; acyl; benzoyl;

or NR^7 and R^8 taken together form a 4-12 membered mononitrogen containing monocyclic or bicyclic ring optionally substituted with one or more substituent selected from lower alkyl, carboxyl derivatives, aryl or hydroxy and wherein said ring optionally contains a heteroatom selected from the group consisting of O, N and S;

R^5 is selected from the group consisting of H and alkyl;

or A^1 is



wherein Y^2 is selected from the group consisting of alkyl; cycloalkyl; bicycloalkyl; aryl; monocyclic heterocycles;

wherein R^5 and R^7 are defined above;

Z_1 is selected from the group consisting of CH_2, CH_2O, O, NH, CO, S, SO, CH(OH) and SO_2;

Z_2 is a 1-5 carbon linker optionally containing one or more heteroatom selected from the group consisting of O, S and N;

wherein the carbon and nitrogen atoms of Z_1 - Z_2 are optionally substituted by a moiety selected from the group consisting of alkyl, alkoxy, thioalkyl, alkylsulfone, aryl, alkoxyalkyl, alkylamino, heteroaryl, alkenyl, alkynyl, carboxyalkyl, halogen, haloalky and acylamino;

n is an integer 0, 1 or 2;

R^c is selected from the group consisting of hydrogen; alkyl; halogen, hydroxy, nitro, alkoxy, amino, haloalkyl, aryl, heteroaryl, alkoxyalkyl, aminoalkyl, hydroxyalkyl, thioalkyl, alkylamino, arylamino, alkylsulfonylamino, acyl, acylamino, sulfonyl, sulfonamide, allyl, alkenyl, methylenedioxy, ethylenedioxy, alkynyl, alkynylalkyl, carboxy, alkoxycarbonyl, carboxamido, cyano, and $-(CH_2)_nCOR$ wherein n is 0-2 and R is selected from hydroxy, alkoxy, alkyl and amino;

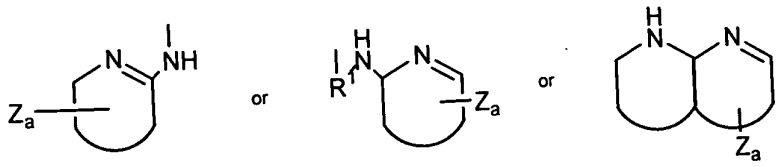
X is selected from the group consisting of $-CHR^e-$, $-NHR^f-$, -O-, -S-, $-SO_2-$, and CO wherein R^e is selected from H, lower alkyl, alkoxy, cycloalkyl, alkoxyalkyl, hydroxy, alkynyl, alkenyl, haloalkyl, thioalkyl and aryl; wherein when R^e is hydroxy the hydroxy optionally forms a lactone with the carboxylic acid function of the chain; wherein R^f is selected from the group consisting of H, alkyl, aryl, benzyl and haloalkyl;

Y is selected from the group consisting of - CR^g- and $-N^g-$ wherein R^g is selected from the group consisting of H, alkyl, haloalkyl, alkoxyalkyl, alkynyl, aryl, heteroaryl, aralkyl, hydroxy, alkoxy, and carboxyalkyl;

R^b is X_2 - R^h wherein X_2 is selected from the group consisting of O, S and NR^j wherein R^h and R^j are independently selected from the group consisting of H, alkyl, aryl, aralkyl, acyl and alkoxyalkyl; and

R^a is selected from the group consisting of hydrogen, alkyl, alkenyl, alkoxyalkyl, hydroxyalkyl, alkynyl, alkynylalkyl, alkenylalkyl, haloalkyl, aryl, heteroaryl, aralkyl, heteroaralkyl, cycloalkyl, carboxyl, amino, alkylamine, alkoxycarbonyl, carboxamido, hydroxy, cyano, alkoxy, thioalkyl, acylamino, sulfonyl amino, alkylsulfonyl, and $-(CH_2)_n$ COR^b wherein n is 0 - 2 and R^b is as defined above.

54. The compound of claim 53, wherein A^1 is selected from the group consisting of:

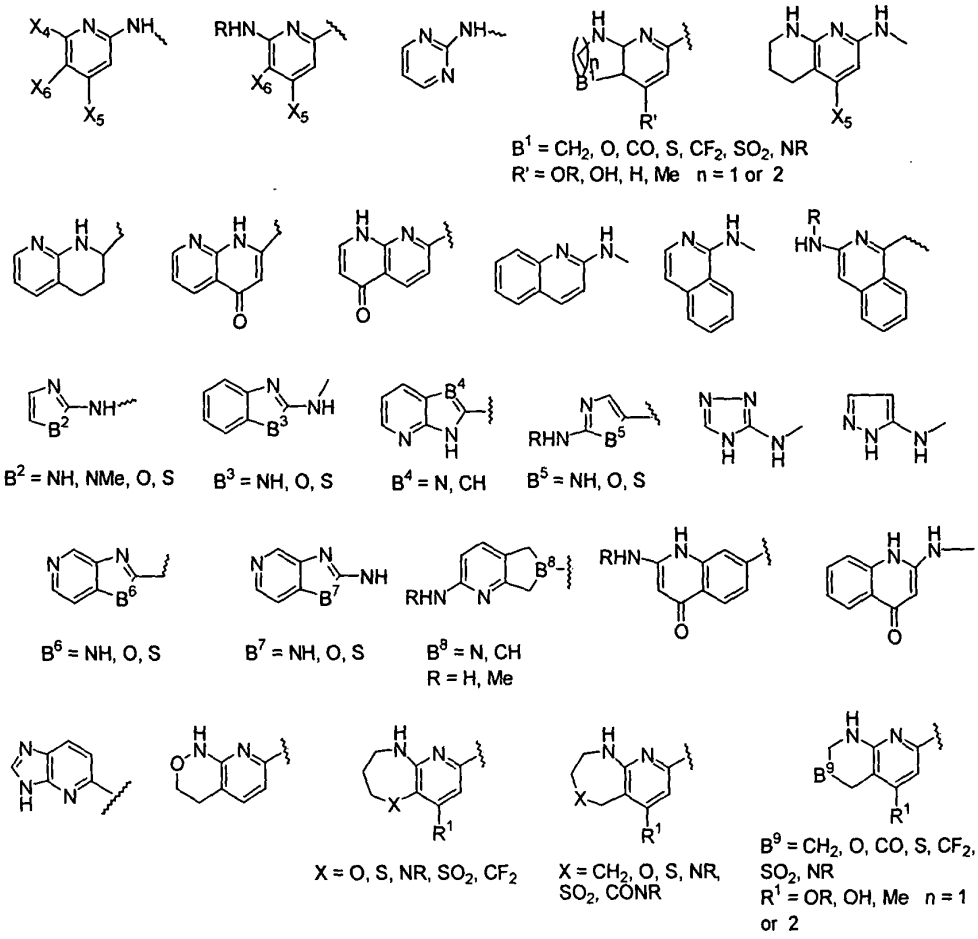


wherein:

Z_a is selected from the group consisting of H, alkyl, alkoxy, hydroxy, amine, alkylamine, dialkylamine, carboxyl, alkoxycarbonyl, hydroxyalkyl, halogen and haloalkyl; and

R^1 is selected from the group consisting of H, alkyl, alkoxyalkyl, acyl, haloalkyl and alkoxycarbonyl.

55. A compound of claim 53 wherein A^1 is selected from the group consisting of:



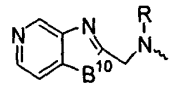
wherein:

X_4 and X_5 are selected from the group consisting of H, alkyl, branched alkyl, alkylamino, alkoxyalkylamino, haloalkyl, thioalkyl, halogen, amino, alkoxy, aryloxy, alkoxyalkyl, hydroxy, cyano and acylamino groups;

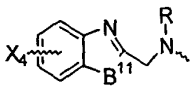
X_6 is selected from the group consisting of H, alkyl, hydroxy, halogen, alkoxy and haloalkyl.

56. A compound according to claim 55, wherein X_4 and X_5 are selected from the group consisting of methyl, methoxy, amine, methylamine, trifluoromethyl, dimethylamine, hydroxy, chloro, bromo, fluoro and cyano.

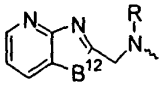
57. A compound of claim 53 wherein A^1-Z_2 is selected from the group consisting of:



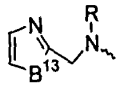
B10 = NH, O, S
R = H, Me



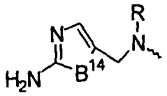
B^{11} = NH, O, S
R = H, Me



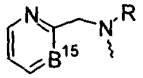
B^{12} = NH, O, S
R = H, Me



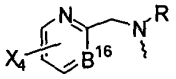
B^{13} = NH, O, S
R = H, Me



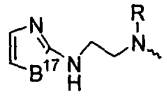
B^{14} = NH, O, S
R = H, Me



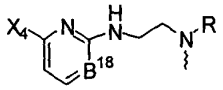
B^{15} = N, CH
R = H, Me



B^{16} = N, CH
R = H, Me



B^{17} = NH, O, S
R = H, Me



B^{18} = N, CH
R = H, Me

wherein

X_4 is selected from the group consisting of H, alkyl, branched alkyl, alkylamino, alkoxyalkylamino, haloalkyl, thioalkyl, halogen, amino, alkoxy, aryloxy, alkoxyalkyl, hydroxy, cyano and acylamino groups.

58. A compound according to Claim 53 selected from the group consisting of

3-[[3-(2-pyridinylamino)propoxy]phenyl]propanoic acid;

3-[[4-(2-pyridinylamino)butoxy]phenyl]propanoic acid;

3-[[5-(2-pyridinylamino)pentoxy]phenyl]propanoic acid;

3-Phenyl-4-[3-[3-(pyridin-2-yl)amino-1-propyloxy]phenyl]butanoic acid;

3-[3-(2-pyridinylamino)propoxy]phenyl-3-methylbutanoic acid;

3-[4-(2-pyridinylamino)butoxy]phenyl-3-methylbutanoic acid;

β-[[[3-[3-(2- pyridinylamino)propoxy]phenyl]sulfonyl]amino]-benzenpropanoic acid;

β-[[[3-[4-(2-pyridinylamino)butoxy]phenyl]sulfonyl]amino]benzene propanoic acid;

3-[3-(2-pyridinyl)amino]-1-propyloxyphenylsulfonyl)-3-(3-pyridyl)aminopropanoic acid;

3-[4-(2-pyridinyl)amino]-1-butyloxyphenylsulfonyl)-3-(3-pyridyl)amino-propionic acid;

3-(4-(2-tetrahydropyrimidinyl)aminobutyloxyphenylsulfonyl)-3-(3-pyridyl)aminopropionic acid;

3-(4-(2-(5-hydroxy-tetrahydropyrimidinyl)aminobutyloxyphenyl-sulfonyl))-3-(3-pyridyl)aminopropionic acid;

3-[4-(2-pyridinyl)amino]-1-butyloxyphenylsulfonyl)-3-(3,5-dichloro-phenyl)-aminopropionic acid;

3-[4-(2-pyridinyl)amino]-1-butyloxyphenylsulfonyl)-3-(3-pyridyl)amino-propionic acid;

3-[3-(2-pyridinyl)amino]-1-butyloxyphenylsulfonyl)-3-(phenethyl)-amino-propionic acid;

β-[[[3-[3-(2-pyridinylamino)butoxy]phenyl]sulfonyl]methyl]benzene-propanoic acid;

β-[[3-[3-(2-pyridinylamino)butoxy]phenyl]sulfonyl]methyl]-4-fluorobenzene-propanoic acid;

N-({3-[4-(pyridin-2-ylamino)butoxy]phenyl}sulfonyl)-beta-alanine;

4-methyl-3-[({3-[4-(pyridin-2-ylamino)butoxy]phenyl}sulfonyl)amino]-pentanoic acid;

3-cyclohexyl-3-[({3-[4-(pyridin-2-ylamino)butoxy]phenyl}sulfonyl)-amino]propanoic acid;

3-(4-methylphenyl)-3-[({3-[4-(pyridin-2-ylamino)butoxy]phenyl}-sulfonyl)amino]propanoic acid;

β-[[[3-[4-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]butoxy]phenyl]-sulfonyl]-amino]benzenepropanoic acid;

3-[[[3-[4-[(2-pyridinylamino)butoxy]phenyl]sulfonyl]amino]-3-butanoic acid;

3-[[[3-[4-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]butoxy]phenyl]-sulfonyl]-amino]butanoic acid;

(3*S*)-3-[[[3-[4-(2-pyridinylamino)butoxy]phenyl]sulfonyl]amino]-5-hexynoic acid;

β-[[[3-[[5-(2-pyridinylamino)pentyl]oxy]phenyl]sulfonyl]amino]-benzene-propanoic acid;

(β^2*S*)-□-[[[3-[4-(2-pyridinylamino)butoxy]phenyl]sulfonyl]amino]-2-naphthalenebutanoic acid;

(3S)-3-[({3-[4-(Pyridin-2-ylamino)butoxy]phenyl}sulfonyl)amino]pent-4-ynoic acid;

(3S)-5-Phenyl-3-[({3-[4-(pyridin-2-ylamino)butoxy]phenyl}sulfonyl)-amino]pent-4-ynoic acid;

(3S)-5-[3,5-Bis(trifluoromethyl)phenyl]-3-[({3-[4-(pyridin-2-ylamino)butoxy]-phenyl}sulfonyl)amino]pent-4-ynoic acid;

(3S)-5-(3,5-Dichlorophenyl)-3-[({3-[4-(pyridin-2-ylamino)butoxy]-phenyl}-sulfonyl)amino]pent-4-ynoic acid;

(3S)-5-[2-(Aminosulfonyl)phenyl]-3-[({3-[4-(pyridin-2-ylamino)butoxy]-phenyl}sulfonyl)amino]pent-4-ynoic acid;

1-({3-[4-(Pyridin-2-ylamino)butoxy]phenyl}sulfonyl)piperidine-3-carboxylic acid;

N-({3-[4-(Pyridin-2-ylamino)butoxy]phenyl}sulfonyl)-L-aspartic acid;

2,2-Difluoro-3-phenyl-3-[({3-[4-(pyridin-2-ylamino)butoxy]-phenyl}sulfonyl)-amino]propanoic acid;

(S) 3-[(3,5-dichloro-2-hydroxyphenyl)-3-(3-methoxyphenylsulfonyl-amino)]propionic acid;

3-Pheny-4-[3-{3-(pyridin-2-yl)amino-1-propyloxy}phenyl]butanoic acid;

59. A pharmaceutical composition comprising a therapeutically effective amount of a compound according to Claim 53 and a pharmaceutically acceptable carrier.

60. A pharmaceutical composition comprising a therapeutically effective amount of a compound according to Claim 58 and a pharmaceutically acceptable carrier.

61. A method for treating conditions mediated by the $\alpha_v\beta_3$ integrin in a mammal in need of such treatment comprising administering an effective $\alpha_v\beta_3$ inhibiting amount of a compound of Claim 53.

62. A method for treating conditions mediated by the $\alpha_v\beta_3$ integrin in a mammal in need of such treatment comprising administering an effective $\alpha_v\beta_3$ inhibiting amount of a compound of Claim 58.

63. The method according to Claim 61 wherein the condition treated is selected from the group consisting of solid tumor growth, tumor metastasis, angiogenesis, osteoporosis, humoral hypercalcemia of malignancy, smooth muscle cell migration, restenosis, atherosclerosis, macular degeneration, retinopathy, and arthritis.

64. The method according to Claim 62 wherein the condition treated is selected from the group consisting of solid tumor growth, tumor metastasis, angiogenesis, osteoporosis, humoral hypercalcemia of malignancy, smooth muscle cell migration, restenosis, atherosclerosis, macular degeneration, retinopathy, and arthritis..

65. A method for treating conditions mediated by the $\alpha_v\beta_5$ integrin in a mammal in need of such treatment comprising administering an effective $\alpha_v\beta_5$ inhibiting amount of a compound of Claim 53.

66. A method for treating conditions mediated by the $\alpha_v\beta_5$ integrin in a mammal in need of such treatment comprising administering an effective $\alpha_v\beta_5$ inhibiting amount of a compound of Claim 58.

67. The method according to Claim 65 wherein the condition treated is selected from the group consisting of solid tumor growth, tumor metastasis, angiogenesis, osteoporosis,

humoral hypercalcemia of malignancy, smooth muscle cell migration, restenosis, atheroscelorosis, macular degeneration, retinopathy, and arthritis.

68. The method according to Claim 66 wherein the condition treated is selected from the group consisting of solid tumor growth, tumor metastasis, angiogenesis, osteoporosis, humoral hypercalcemia of malignancy, smooth muscle cell migration, restenosis, atheroscelorosis, macular degeneration, retinopathy, and arthritis.